Name_____ Daily Quiz 1 Monday 3-16-20

Either scan your answers or send a picture using remind or email JUSTIFY YOUR STEPS

State the INDEFINITE integral for each of the following

$\int 2x^4 + 5x^3 - 7x + 4dx$

$$\int\left(2\cdot x^4+5\cdot x^3-7\cdot x+4\right)\mathrm{d}x=\frac{2}{5}x^5+\frac{5}{4}x^4-\frac{7}{3}x^3+4x+C$$

$\int \frac{2}{x^4} + 5\sqrt{x} - \frac{7}{\sqrt[5]{x}} + 4dx$

$$\int\left(\frac{2}{x^4}+5\cdot\sqrt{x}-\frac{7}{\sqrt[5]{x}}+4\right)\mathrm{d}x$$

$$=\int\left(2x^{-4}+5\cdot x^{\frac{1}{2}}-7x^{\frac{-1}{5}}+4\right)\,\mathrm{d}x=\frac{2}{-3}\cdot x^{-3}+\frac{5}{\frac{3}{2}}x^{\frac{3}{2}}-\frac{7}{\frac{4}{5}}x^{\frac{4}{5}}+4x+C$$

$$=\frac{-2}{3}\cdot x^{-3}+\frac{10}{3}x^{\frac{3}{2}}-\frac{35}{4}x^{\frac{4}{5}}+4x+C$$